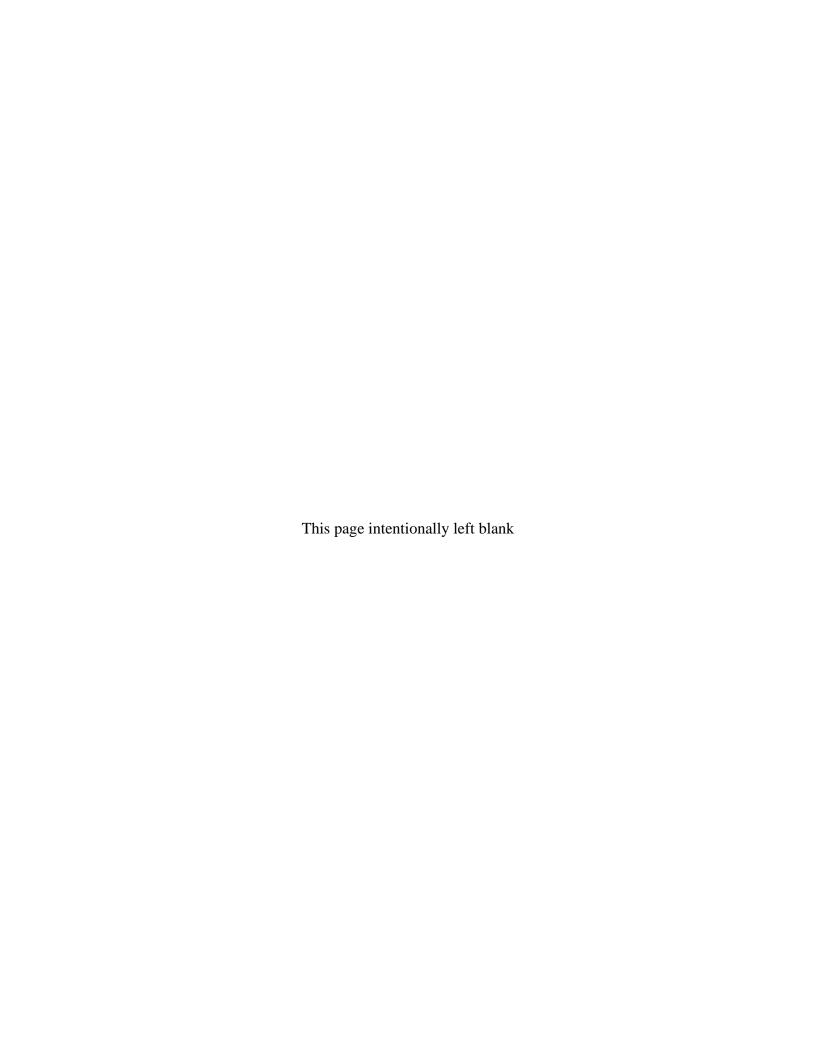
## Appendix A

## Sediment Sampling Logs and Core Photographs



Battelle The Business of Innovation	Project Name: A Location: Client:	New E	ord Harbor I Bedford, MA ISACE NAE		ental Monitor	-	Vessel	G606422 I: R/V Gale Force I: Theresa Himmer
Station ID:	W 67-WWO-		Time On St		1209		All measur	ements are ±0.1 feet
Core Sample ID:	15-010-N	WS-36	Northing (N	AD 83):	270871	61.6	Water Dept	h (A):
Logged by:	MW		Easting (NA	D 83):	81551	6.2	Length of pr	ush core assembly (BY)
Collection Mechanism:	Buelt-Gore /	tuzen	GPS Accur	acy:	2.0	<u> </u>	Water surfa	ice to top of handle (C):
Date:	11/8/07	J	Predicted T	ide (ft):	NA		Length of co	ore (from bottom) (D):
			Time of Col	lection:	1212		— Surveyed el	levation (NVGD 29) (E): NA
			Time Depar	t Station:	1218	3	<del></del>	ce from surveyed elevation (F):
(G) Elevation of Wate	r Surface (NVGD):	Ë - F	Calculation	s for Dete	rmination of	Z* Elevati	ion	
	ottom of the core (N		(B - C)					
	•	,						1/
(z*) Elevation of visual	I transition (NVGD):	H + (distai	nce to visuai	transition)				
(I) Elevation of the se	ediment-water interfa	ace as mea	asured from	bottom of c	ore (NVGD):	H + D		<u> </u>
(I <sub>2</sub> ) Elevation of the se	ediment-water interfa	ace as mea	asured from	water depth	r (NVGD): G	- A	***************************************	
(Note if I ≠ I <sub>2</sub> within	± 1.0 feet, discard a	nd resamp	ele)				and the second	
			r		T	Γ		
Elevation (NVGD)	Lithology - Include USCS code				tiole			
(Z) # (E) (C) (C) (C) (C) (C) (C) (C) (C) (C) (C	- Inc			ncy	Maximum particle size		SQ	
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nments:	Othowed	·36,	AEM	12/11/21	7	MF/N	W	
nments:	Othowed	·36.	AEM	12/11/21	7	MF/N	W	

Station ID:  Core Sample ID:  Logged by:  M  Collection Mechanism:  Date:	: NWS -35-10 W Rush Core Angen 18/07	Time On St  Northing (N  Easting (NA  GPS Accur  Predicted T	(AD 83):	122		****	ements are ±0.1 feet	
Logged by: M. Collection Mechanism:		Easting (NA	·		41.2	Mater		
Collection Mechanism:		GPS Accur	AD 83):	. سعد سد. د عوبو		Water Dept	h (A):	NA
. 5 %	Publicate Augen 18/07			81550	8.6	Length of p	ush core assembly (B):	NA
Date:	18/07	Predicted T	acy:	2. F	24	Water surfa	ice to top of handle (C):	_ <i>NA</i>
			ide (ft):	NA		Length of c	ore (from bottom) (D):	1.0
		Time of Col	flection:	1228	?	Surveyed e	levation (NVGD 29) (E):	NA
		Time Depar	rt Station:	1231		Water surfa	ce from surveyed elevation (	F): iVA
G) Elevation of Water Surfa	oce (NVGD): E E	Calculation	ns for Deter	rmination of	Z* Elevat	ion		
<ul><li>G) Elevation of Water Surfa</li><li>H) Elevation of the bottom o</li></ul>	,	- (B - C)				***************************************		Market Will also Brown.
z*) Elevation of visual transi	tion (NVGD): H + (dista	nce to visual	transition)				11	
Elevation of the sedimer	nt-water interface as me	asured from	bottom of co	ore (NVGD):	H + D			
(2) Elevation of the sedimer				` ,		<del></del>	7/4	
~ 7				, ,	•			
(Note if I ≠ I <sub>2</sub> within ± 1.0 f	eet, discard and resam	ole)						
Elevation (NVGD)	Lithology - Include USCS code Type			ticle				
N) = E	de de		) oʻ	Maximum particle size		) s		
Vation (N	S co		Consistency	Line Line		Sample IDs		
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Battelle	Location:	New Bedford Harbo New Bedford, N USACE NA	1A	sınaı MONILOFI		Vessel	G606422 : R/V Gale Force : Theresa Himmer	
	Onerr.	37 10 Time On		123				
Station ID: *	2-070-NM2			27086	4		ements are ±0.1 feet	NA
Core Sample ID:				81553		Water Dept		NA
ogged by:	MW		NAD 83):	3.8		_	ush core assembly (B):	NA
Collection Mechanism	N/S/07	Mg 1 GPS Acc	-		<u>Ē</u>	-	ce to top of handle (C):	1,0
Date:	113101		f Tide (ft):	NA 1240		_	ore (from bottom) (D):	NA
			Collection:	1243			levation (NVGD 29) (E): ce from surveyed elevation ( <i>I</i>	- 11
			part Station:		Luit		ce non surveyed elevation (/	7
G) Elevation of W	ater Surface (NVGD):		ions for Dete	ermination of	Z* Elevati	on		
,	e bottom of the core (N					*******	/	
	sual transition (NVGD):		ıal transition)			***************************************	-1/4	
,	, , ,				11 . D	******	M/A	
	e sediment-water interfa					-	<del></del>	
	e sediment-water interfa		ın water dept	ir (INVGD). G	- A			***************************************
(Note if $1 \neq 1_2$ wit	hin ± 1.0 feet, discard a	nd resample)						
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wvGD)	Inde			icle				
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Elevation (NVGD)	Lithology - Include USCS code		Consistency	Maximum particle size		Sample IDs		
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Battelle	Project Name: N Location: Client:	New B	ord Harbor Bedford, MA ISACE NAL	4	ental Monito		Vess	t: G606422 el: R/V Gale Force st: Theresa Himmer	
Station ID: ** S-0717	2007 - 030	8-10	Time On S	itation:	1317			rements are ±0.1 feet	
Core Sample ID:			- Northing (N	NAD 83):	2708	683.	Water De		NA
ogged by:	MW		Easting (N			199,0		push core assembly (B):	NA
Collection Mechanism:	Posti-Core A	nger	GPS Accui	racy:	1.90	1		face to top of handle (C):	NA
Pate:	11/8/07	<u> </u>	Predicted 1	Γide (ft):	NA			core (from bottom) (D):	1.0
	*		Time of Co	illection:	1324	1		elevation (NVGD 29) (E):	NA
			Time Depa	rt Station:	132	Ч		face from surveyed elevation (	. 6
G) Elevation of Water	Surface (NVGD): E		Calculatio	ns for Dete	rmination o	f Z* Elevat	ion		
H) Elevation of the bot	tom of the core (NV	GD): <i>G</i> -	(B - C)						/
z*) Elevation of visual t	ransition (NVGD): h	l + (distan	ce to visua	l transition)				11/	
	liment-water interfac				ore (NIVCD):	<b>u</b> . n	***************************************	1/4	
2) Elevation of the sec									
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avGD)	nde				<u>e)</u>				
Elevation (NVGD)	Lithology - Include USCS code			δο	Maximum particle size		Sg		
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Battelle he Business of Innovation	Project Name: A Location: Client:	lew Bedford Harbo New Bedford, N USACE N	<i>IIA</i>	ental Monito		Vesse	: G606422 II: R/V Gale Force It: Theresa Himmer	
tation ID: * 74	37-NW5-2	<del>18−10−</del> Time On	Station:	1347	<u> </u>	All measu	rements are ±0.1 feet	
ore Sample ID:	5-070-NWS	- 3を1CNorthing	(NAD 83):	2708	1819.2	Water Dep	th (A):	NA
ogged by:	MW	Easting (	(NAD 83):	81220	70.4	Length of p	oush core assembly (B):	NA
ollection Mechanism:	Push-Gere 🖟	ugen GPS Acc	curacy:	<u>a.</u>	84	Water surfa	ace to top of handle (C):	NA
ate:	11/8/07	Predicted	d Tide (ft):	NA		Length of c	ore (from bottom) (D):	1.0
		Time of (	Collection:	1345		Surveyed e	levation (NVGD 29) (E):	NA
		Time De	oart Station:	1350	}	Water surfa	ace from surveyed elevation (	F): <u>NA</u>
		Calculati	ions for Dete	ermination o	f Z* Elevat	ion		
Elevation of Water	, ,					**************************************	<i>f</i>	
d) Elevation of the bot	tom of the core (NV	GD): G - (B - C)				***************************************		
*) Elevation of visual t	ransition (NVGD): F	H + (distance to visu	ıal transition)				/ <u>/</u>	
Elevation of the sec	liment-water interfac	ce as measured from	m bottom of c	ore (NVGD):	: H + D	Pinter and the same and the sam		
<ul><li>Elevation of the sec</li></ul>			n water depti	h (NVGD): <i>G</i>	- A			
(Note if I ≠ I <sub>2</sub> within ±	1.0 feet, discard an	d resample)						
Elevation (NVGD)	Lithology - Include USCS code		Consistency	Maximum particle size		Sample IDs		
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Station ID:	C007-016	Timo C	n Station:	^	810	AJI	romanta ara -0.1 fa-st	
Core Sample ID:	-	I ime C				All measu OWater Dep	rements are ±0.1 feet	4
Logged by:	JMF							
Collection Mechanism:			(NAD 83):	-			oush core assembly (B):	
Date:	Push-Core 11/9/07		ccuracy:	<u></u>	02		ace to top of handle (C):	-
Date.	111 110 4		ed Tide (ft):	~	8:21		core (from bottom) (D):	<u></u>
			Collection:		30		elevation (NVGD 29) (E):	
		rime D	epart Station:		50	water sum	ace from surveyed elevation (F):	
		Calcula	tions for Dete	ermination c	of Z* Elevai	tion		
	r Surface (NVGD): E					<del></del>		
	ottom of the core (NVG							
(z*) Elevation of visua	I transition (NVGD): H	+ (distance to v	risual transitio	n)		***************************************		
	ediment-water interface				-	***************************************		
(I <sub>2</sub> ) Elevation of the s	ediment-water interface	as measured	from water de	pth (NVGD):	G - A		***************************************	
(Note if I ≠ I <sub>2</sub> within	± 1.0 feet, discard and	resample)				W		
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Elevation (NVGD)	Lithology - Include USCS code			Maximum particle size			•	
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Station ID: ( Core Sample ID:		C007-02	<del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>	_ Time On S Northing (N		2705	* <del></del>	All measu Water Dep	erements are ±0.1 feet	4.9
Logged by:	5075	<u>30-702</u> ME		Easting (N					push core assembly (B):	- p (
Collection Mecha	nism:	Push-Core		_ GPS Accui	•	2.1			face to top of handle (C):	1.9
Date:	2	11/9	107	_ Predicted 1	Γide (ft):			Length of a	core (from bottom) (D):	1.0
				Time of Co	llection:	0	38	Surveyed	elevation (NVGD 29) (E):	***************************************
				Time Depa	rt Station:	08	45	Water surf	ace from surveyed elevation (F	):
		***************************************		Calculation	ns for Dete	rmination o	f Z* Elevat	ion		
		ırface (NVGD	•					***************************************		
		m of the core						***************************************		
(z*) Elevation	of visual tra	nsition (NVGI	⊃): <i>H + (dista</i>	ance to visu	al transition	)				
		nent-water int				,	,	***************************************		
		nent-water int 0 feet, discar			n water dep	ימו (מעטט):	G-A			
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Elevation (NVGD)		Lithology - Include USCS code			incy	Maximum particle size		Ds		
levatic e. Bott		holog:	Type	Color	Consistency	xximur	for	Sample IDs		
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The 1	Business of Innovation	Location Client		Bedford, MA JSACE NAE				ief Scientis	el: R/V Gale Force	
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	e Sample ID: \$300 T	5-007-00	8-00 -1			270970			7	7
Log	ged by:	JMP		_ Easting (N.		015 40		Length of p	, doi: 00:0 doco	
	ection Mechanism:	Push-Core	12	_ GPS Accur	-	<u> 3. L</u>	10			7
Date	e:	11. 4.0	7	Predicted 1					` ' ' '	3
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				Time Depa	rt Station:		00	Water surfa	ace from surveyed elevation (F):	
				Calculation	ns for Deter	mination of	Z* Elevat	tion		
(G)	Elevation of Water	Surface (NVGD	): <i>E-F</i>							
(H)	Elevation of the bot	tom of the core	(NVGD): G	- (B - C)						
(z*)	Elevation of visual	transition (NVGI	D): H + (dist	ance to visu	al transition)	)				
(1)	Elevation of the sec	diment-water into	erface as m	easured fror	m bottom of	core (NVGD)	): H + D			
(12)	Elevation of the sec	liment-water into	erface as m	easured fror	n water dep	th (NVGD): C	3 - A			
	(Note if I ≠ I <sub>2</sub> within ±	1.0 feet, discar	d and resan	nple)						
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Core	Sample ID:	S-078	-C007-				27085	13.79	Water De	pth (A): 6-1
Logg	ed by: S	-01P	JM#	/MW	_ Easting (N.	AD 83): 🕢	8154	65-7	D Length of	push core assembly (B):
Colle	ction Mechani	sm:	Push-Core	#1 ==	_ GPS Accui	racy: <i>3.</i>	16 3.	17	Water sur	face to top of handle (C):
Date		11/9	OF 111	<b>9</b> /0}	_ Predicted 7	Tide (ft):	-		Length of	core (from bottom) (D):
		• "			Time of Co	llection:		719	Surveyed	elevation (NVGD 29) (E):
					Time Depa	rt Station:	09	25	Water sur	face from surveyed elevation (F):
<b></b>	***************************************				Calculation	ns for Deter	rmination o	f Z* Elevai	ion	
(G)	Elevation of	Water Su	rface (NVGE	)): <i>E-F</i>						
(H)	Elevation of	the bottor	n of the core	(NVGD): G	- (B - C)					
(z*)	Elevation of	visual tra	nsition (NVG	D): <i>H + (dist</i>	ance to visu	al transition	)			
(I)	Elevation of	the sedim	ent-water int	erface as m	easured fror	m bottom of	core (NVGE	0)· H + D		
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71.	Battelle Business of Inn	9	roject Name Location Client	: New I	ford Harbor Bedford, MA USACE NAE	١	ental Monit	-		f: <i>G606422</i> el: <i>R/V Gale Force</i> st:
Ci Ci	tation ID: ore Sample ID: ogged by: ollection Mechai ate:	S-076-	1007-038 B-C007-038-00- DMF/MW Push-Core 11/9/57				27083 51538 3.1	953	Water Dep Length of p Water surf Length of o	orements are ±0.1 feet  oth (A):  oush core assembly (B): face to top of handle (C):  ore (from bottom) (D): elevation (NVGD 29) (E): ace from surveyed elevation (F):
(C) (H) (Z) (I) (I) (I) (I) (I) (I) (I) (I) (I) (I	#) Elevation ( Ele	of the botton of visual tran of the sedim of the sedim	rface (NVGD n of the core nsition (NVGI ent-water into ent-water into 0 feet, discare	(NVGD): G D): H + (dist erface as m erface as m	G - (B - C) tance to visua easured fronte	<i>al transition</i> n bottom of	) core (NVGI	'	on	
	Elevation (NVGD)		Lithology - Include USCS code	Туре	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
5			456666	Sometry SINT Sandy BINTY CLUY	Brown	Jum Jum	fine			5-070-0007-038-00 PCB 0 peat@transition 5-070-0007-038-05 Archive
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Core S	ample	D: S	078-		R-33-00-	12Northing (N	NAD 83):		1040.0	Water Dep	oth (A):
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	ion Me	chanism		Push-Core	Khugan		-	2.36	-		face to top of handle (C):
Date:				1191	<u> </u>	Predicted Time of Co		10	58	-	core (from bottom) (D): 1. 2
						Time Depa			06	-	elevation (NVGD 29) (E):
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						Calculation	ns for Dete	rmination c	of Z* Elevati	ion	
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					terface as m				,		
					terface as m		n water dep	otn (NVGD):	G - A	***************************************	
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-	Elevation (NVGD)	. Bottom		Lithology - Include USCS code	l e	JO .	Consistency	Maximum particle size	6	Sample IDs	
	<u></u>	(E.e.		± Sn	Type	Color	Ö	Ma	opo	Sar	Comments
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	Western		**************************************	The state of the s	ul sond	S.can,	<u> </u>	To won	**************************************	· ·	MB
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Batte The Business of		Cilei	t:	Bedford, Ma USACE NA			Cl	vesse nief Scientis	el: R/V Gale Force st:
Station ID:		07-NW.		Time On S			10		rements are ±0.1 feet
Core Sample	ID: 57	2715-07-NW	-34-00	<u></u> ! <b>௸</b> orthing (i	NAD 83):		8923.	Water Dep	oth (A):
Logged by:	C	IN OMF		Easting (N	AD 83):	8123		Length of p	push core assembly (B):
Collection Me	echanism:	-Push-Core	Augan	GPS Accu	racy:	2.3	2	Water surf	face to top of handle (C):
Date:			101-3	Predicted	Tide (ft):			Length of o	core (from bottom) (D):
		,		Time of Co	ollection:		15	Surveyed	elevation (NVGD 29) (E):
				Time Depa	art Station:	_///	8	Water surf	ace from surveyed elevation (F):
			• • • • • • • • • • • • • • • • • • • •	Calculatio	ns for Dete	ermination c	of Z* Eleva	tion	
		ater Surface (NVG		C (P C)				<del></del>	
		bottom of the core		, ,					
(z*) Elevat	ion of vis	ual transition (NVC	iD): <i>H + (dis</i>	tance to visu	ıal transitioi	7)			
(I) Elevat	ion of the	sediment-water in	terface as n	neasured fro	m bottom o	f core (NVGI	D): <i>H + D</i>		
(I2) Elevat	ion of the	sediment-water in	terface as m	neasured fro	m water de	pth (NVGD):	G - A		
(Note if	I ≠ I <sub>2</sub> with	in ± 1.0 feet, disca	rd and resar	mple)					
		0							
Elevation (NVGD)	= H	Lithology - Include USCS code				Maximum particle size			
Z) u	Bottom	y - In			ancy	n pa		So	
vatíc	Bot	ology OS C	Φ	o.	Consistency	dimur.	5	Sample IDs	
<u> </u>	.ee	- CSC	Туре	Color	S	May size	Odor	San	Comments
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Battelle	Location	New E	Bedford, MA	١	ental Monito	-	Vesse	: G606422 II: R/V Gale Force	
	Client		JSACE NAE		de site spinning	Ch	ief Scientis	<u>t:</u>	
-	567-010		_ Time On S		0953	11 ~	***************************************	rements are ±0.1 feet	112112
ore Sample ID: 50071	6	- 00 - 0			11011	<u>~ 7 · 5 · </u>	Water Dep		4643
ogged by:	MW Core	***************************************	_ Easting (N.		<u>319.33</u>	) <u> </u>		oush core assembly (B):	<u>X.U</u>
ollection Mechanism:	Push-Core	ì	_ GPS Accur	•	<u> </u>			ace to top of handle (C):	~ (
rate:	11/17/03	-	_ Predicted 1		1028	>		ore (from bottom) (D):	0.6
			Time of Co		1031			elevation (NVGD 29) (E):	
			Time Depa	n Station:	1031		Water surfa	ace from surveyed elevation	(F):
G) Elevation of Water  H) Elevation of the bot  t*) Elevation of visual t  Elevation of the sec  Unit   ≠   within ±	tom of the core ( ransition (NVGE liment-water inte	(NVGD): G  O): H + (distance as management of the content of the c	- (B - C)  ance to visu  easured fror  easured fror	<i>al transition</i> n bottom of	core (NVGD	): H + D	ion		
Elevation (NVGD)	Lithology - Include USCS code	Туре	Color	Consistency	Maximum particle size	Odor	Sample IDs	Commer	nts
0.0		sand grade	gro-1 Bruil	loose	Fine to large			Some fin upper half core S-Ø1D-CO PC	
_								S-07D-0	1007-810-0 11000 Froz
_								30100	W 4-010+0
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oente:	<del></del>			, ,					
		- 1	1	vali la	+ Omp	MILL			

The Business of		Client - C066 - C		SACE NAE Time On Sta	ation:	N9	28	ef Scientis All measu	rements are ±0.1 feet
	ID: <b>S-</b>	Push-Core			AD 83):  D 83):  acy:  de (ft):  ection:	270851 81541 3.4 	3.66 2.04 3	Water Dep Length of p Water surf Length of o	~ .
				Calculation	s for Deter	mination of	' Z* Elevati	on	
(H) Elevat  (z*) Elevat  (I) Elevat  (I2) Elevat	ion of the b ion of visuation of the s ion of the s	er Surface (NVGE pottom of the core al transition (NVG sediment-water in sediment-water in a ± 1.0 feet, disca	(NVGD): <i>G</i> D): <i>H + (dista</i> terface as me	nce to visua asured from asured from	bottom of	core (NVGD			
Elevation (NVGD)	(I.e. Bottom = <i>H</i> )	Lithology - Include USCS code	Туре	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments
			510	Black	10050	fine	H <sub>2</sub> S		S-07D-C007-039-
			Sandes	Brown	firm	fire	H2S	and or of the college	S-07D-C007-039 Archive F
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File ID of digits		ph(s):	Slight	Show	n sur	for di	cor		
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	Business of Innovation	Clien	***************************************	USACE NAE			Ch	ief Scientis				
	tion ID:	C007				1/9	10		rements are ±0.1 feet			
	e Sample ID: S	10 - CO07 - C	0304-00	-/ Corthing (N		2708				***************************************		
	ged by:			Easting (N	•		<u> 363.1</u>	Length of	oush core assembly (B):			
	ection Mechanism: _	<del>- Push-Core</del>	Hugen	GPS Accur	•	<u></u>	43	Water surf	Water surface to top of handle (C):			
Date	e:	11/9107		Predicted 1	ide (ft):			Length of	core (from bottom) (D):	1.0		
				Time of Co	llection:		144	Surveyed	elevation (NVGD 29) (E):			
				Time Depa	rt Station:	1	147_	_Water surf	ace from surveyed elevation (F)	):		
				Calculation	s for Dete	ermination o	of Z* Elevat	ion				
(G)	Elevation of Wate							***************************************				
(H)	Elevation of the be			. ,								
(z*)	Elevation of visua											
(I)	Elevation of the se											
(12)	Elevation of the se	ediment-water in	terface as m	easured fror	n water de	oth (NVGD):	G - A					
	(Note if I ≠ I <sub>2</sub> within	± 1.0 feet, discar	rd and resar	nple)								
······································				•	<b>y</b>		···					
	(GD)	Inde				icle						
	Elevation (NVGD)	Lithology - Include USCS code			δ	particle		, s				
	/ation (N	logy S co			sister	L mn w		]] eld				
	(F.e.	Litho	Type	Color	Consistency	Maximum size	Odor	Sample IDs	Comments			
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Battelle The Business of Innovat	Location:	New Bedford Harbor Enviro New Bedford, MA USACE NAE		Project #: G606422 Vessel: R/V Gale Force lef Scientist:	
Station ID:	C007-03	7 Tíme On Station:	1129	All measurements are ±0.1 feet	
		-00-[] Northing (NAD 83):	270 8614.23		3.3
Logged by:	mw	Easting (NAD 83):	815412.05		8.0
Collection Mechanism	r: Push-Core	GPS Accuracy:	2.84	Water surface to top of handle (C):	3.6
Date:	11/12/07	Predicted Tide (ft):		Length of core (from bottom) (D):	1.1
		Time of Collection:	1133	Surveyed elevation (NVGD 29) (E):	
		Time Depart Station		Water surface from surveyed elevatio	n (F):
(H) Elevation of the $(z^*)$ Elevation of $v$ (I) Elevation of the $(l_2)$ Elevation of the $(l_2)$	ne sediment-water interf	E - F  VGD): G - (B - C)  H + (distance to visual translace as measured from botton ace as measured from water	n of core (NVGD): H + D	ion	
Elevation (NVGD)	Lithology - Include USCS code	Type Color Consistency	Maximum particle size Odor	Sample IDs Comm	ents
		Wind Black loose	fine Has		Ø7-Ø33-OP
0.1-		Muterial			R <sub>O</sub>
		in to olive fir	m med		
	2	Vice Plant		18-01D-C	007-033-0
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				S-07D-C	e Frozen
				C C C C C C C C C C C C C C C C C C C	
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Battelle	Project Name: Location: Client:	New B	ord Harbor I edford, MA SACE NAE	Environme	ntal Monito			G606422 : R/V Gale Force :	
tation ID:	C007 - 06	2	Time On Sta	ation:	084	5	All measur	ements are ±0.1 feet	
	70-(007-0		Northing (N		270 Y	165.1	Water Dept		4.5
ore sample ib. 5 9	NW	<u> </u>	Easting (NA					ush core assembly (B):	8.0
ollection Mechanism:	Push-Core		GPS Accura		7.5		-	ice to top of handle (C):	<b>a</b> .3
_		x 7	Predicted Ti	•				ore (from bottom) (D):	0.9
ate:			Time of Coll		0850			levation (NVGD 29) (E):	
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			•					oo non oa rojou ola ana	
Elevation of Water	er Surface (NVGD		Calculation	s tor Deter	mination of	Z" Elevati	on		
·			(B - C)						
•	ottom of the core						***************************************		
•	al transition (NVGI								
	ediment-water inte						***************************************		
2) Elevation of the s	ediment-water inte	erface as me	easured from	water dep	th (NVGD):	G - A			
(Note if I ≠ I₂ within	± 1.0 feet, discard	d and resam	ple)						
(a (	de				<u>e</u>				
Elevation (NVGD)	Lithology - Include USCS code		-	ý.	Maximum particle size		un un		
vation (h	gy - I			Consistency	En .		Sample IDs		
levati	holog	Type	Color	onsis	axim	Odor	ampl		
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Battelle The Business of Innovation	Project Name Location Client	n: New L	iford Harbor Bedford, MA USACE NAE	1	entai Monit	•	-	: <b>G606422</b> I: R/V Gale Force		
Station ID:	. 3	55	Time On S		08					$\dashv$
ore Sample ID: 5-07	<del></del>	·····			770KA		Water Dept	rements are ±0.1 feet	6.3	-
ogged by:	NW	~~~	Easting (N	•	8154			ush core assembly (B):	9.0	1
Collection Mechanism:	Push-Core		GPS Accur		H.			ace to top of handle (C):	1.0	1
Date:	11/14/0	7	Predicted 1	•				ore (from bottom) (D):	1, 5	1
_		*	Time of Co		090	4		levation (NVGD 29) (E):	1,57	1
			Time Depa		010			ice from surveyed elevation	(F):	1
-			Calculation	as for Data	rmination o	of 7* Floyat	ion	,	, ,	]
G) Elevation of Wate	er Surface (NVGD	)): <i>E - F</i>	Calculation	is for Dete	immation o	n Z Eleval	ЮП			
d) Elevation of the b	,		i - (B - C)							1
*) Elevation of visua				al transition	1)		***************************************	***************************************		1
Elevation of the se						)): H + D				1
2) Elevation of the se										1
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Elevation (NVGD)	Lithology - Include USCS code				Maximum particle size					
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levat	tholog SCS (	Туре	Color	Consistency	axim.	lor	Sample IDs			
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Battelle The Business of Innovation	Project Name Location Client	: New E	ford Harboi Bedford, Mi USACE NAI	4	ental Monito	Ū	-	#: <i>G606422</i> el: <i>R/V Gale Force</i> st:	
Station ID:	007-04		Time On S		0913			rements are ±0.1 feet	
Core Sample ID: 5-67	~~~~	·*····································			THOR3		Water Dep		5,3
ogged by:	MW		Easting (N		81541			push core assembly (B):	8.0
Collection Mechanism:	Push-Core		GPS Accu		3,3			face to top of handle (C):	1.5
Date:	11/14/0	7	Predicted	-				core (from bottom) (D):	i.a
		4	Time of Co		091	1	-	elevation (NVGD 29) (E):	1.0
			Time Depa		092				
			rime Depa	in Station.		<u> </u>	_ water sun	ace from surveyed elevation (F	-):
Cl. Flouration of Water	Conference (NIVOD	\. <del></del> .	Calculation	ns for Dete	rmination o	<sup>f</sup> Z* Elevati	on		
<ul><li>G) Elevation of Water</li><li>H) Elevation of the both</li></ul>	,		(B - C)				***************************************		
z*) Elevation of visual			, ,	al transition	)				
) Elevation of the se						): H + D	***************************************		
, (2) Elevation of the se									
(Note if I ≠ I <sub>2</sub> within :							***************************************		
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Elevation (NVGD)	Inde				ejoj ejoj				
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Elev (i.e.	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs	Comments	
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Battelle	Project Nam Locatio Clier	n: <i>New L</i>	ford Harbor Bedford, MA USACE NAE	1	ental Monito	_	•	: <b>G606422</b> <b>I:</b> R/V Gale Force <b>t</b> :	
Station ID:	C067-049	1	Time On S	tation:	0921	0	All measur	ements are ±0.1 feet	
Core Sample ID: 🧲	070-607-6	49-00-11	— ⊩ Northing (N	NAD 83):	27084		Water Dept		5.1
ogged by:	MW		Easting (N	AD 83):	81540	8.1		ush core assembly (B):	4:0
Collection Mechanism	: Push-Core		 _ GPS Accur	racy:	3.9			ace to top of handle (C):	1.6
Date:	11/14/07		<ul><li>Predicted 1</li></ul>					ore (from bottom) (D):	1,1
			— Time of Co	llection:	0930	>		levation (NVGD 29) (E):	
			Time Depa	rt Station:	613		-	ice from surveyed elevation (	F):
			Calculation	ns for Dete	rmination o	Z* Elevat	ion		
G) Elevation of V	/ater Surface (NVGI	D): <i>E-F</i>							
H) Elevation of the	e bottom of the core	(NVGD): G	i - (B - C)						
z*) Elevation of v	sual transition (NVG	iD): H + (dist	ance to visu	al transition	)				
	e sediment-water in					): H + D	***************************************		
	e sediment-water in						***************************************		
					( 00).		<del></del>		
(14018 II 1 # 1 <sub>2</sub> WI	thin ± 1.0 feet, disca	iu anu resan	ihie)				***************************************		
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/ation (P	- ygy			tenc	un un		<u>Q</u>		
Elevation (NVGD)	Lithology - Include USCS code	Type	Color	Consistency	Maximum particle size	Odor	Sample IDs		
1 1 3				1	∑ ig	Ō	J Š	Commen	ts
		Silt	Black	1008	Civa			8-070-00	× 2 8/16
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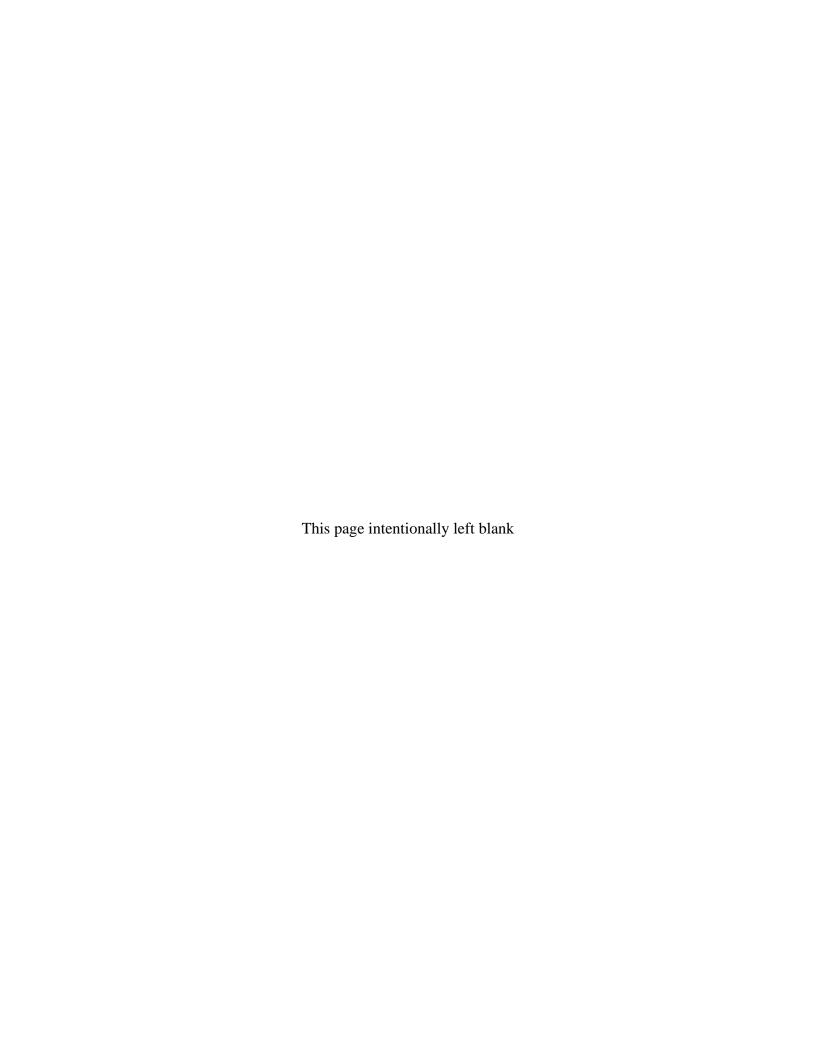
Battelle be Business of Innovation	Project Name Location Client	: New	fford Harboi Bedford, M <i>i</i> USACE NAI	4	ental Monito	_		t: G606422 el: R/V Gale Force et:	
tation ID:	007-04	9 - DW	7 Time On S	station:	0926	}	All measu	rements are ±0.1 feet	
ore Sample ID:5-070	-049-RUP	-00-1	え Northing (↑	NAD 83):	27084		Water Dep		5.3
egged by:	MW		Easting (N	AD 83):	8154		-	push core assembly (B):	8,0
ellection Mechanism:	Push-Core		GPS Accu		3.9			face to top of handle $(C)$ :	1.2
te:	11/14/03	}-	 Predicted <sup>1</sup>	-			<del></del>	core (from bottom) (D):	1.2
		<u> </u>	— Time of Co		0937	j.,		elevation (NVGD 29) (E):	11/1
			Time Depa	ert Station:	0948		-	ace from surveyed elevation (	(F):
			Calculation	ns for Dete	rmination o	Z* Elevati	on		
G) Elevation of Water	r Surface (NVGD	)): E-F							
() Elevation of the b	ottom of the core	(NVGD): C	G - (B - C)						
*) Elevation of visua	I transition (NVGI	D): <i>H + (dis</i>	tance to visu	al transition	)				
Elevation of the se	ediment-water int	erface as m	neasured from	m bottom of	core (NVGE	): H + D			
2) Elevation of the se	ediment-water inte	erface as m	neasured from	n water dep	oth (NVGD):	G - A			
(Note if I ≠ I₂ within	± 1.0 feet, discar	d and resar	nole)						
(			, <b>, p</b> (0)				***************************************		
(GD) H)	nde				9 0				
1 2 11	Lithology - Include USCS code			>>	Maximum particle size		<u>s</u>		
vation (N	09y			Consistency	unu unu		Sample IDs		
Elev Elev	JSC	Туре	Color	Sons	//axir iize	Odor	amp	Commen	to
1. 2		1			- C 0		- 0)		***************************************
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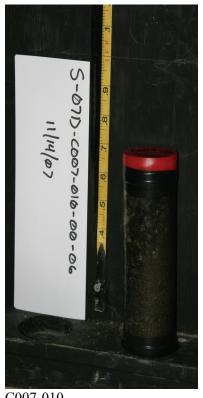
		Batte insiness of			roject Namo Location Clien	n: New I	ford Harboi Bedford, M <i>i</i> USACE NAI	4	ental Monito			: <b>G606422</b> I: R/V Gale Force t:	
	Stati	on ID:			NWS	-39	Time On S		113	5	All measur	ements are ±0.1 feet	
	Core	Sample	ID:	<u>S-</u>	07D-1	NW3:39-	(Northing (I	NAD 83):	2703	7819. 7	Water Dept	th (A):	_NA_
	Logg	ed by:			MELMI	······································	_ Easting (N	AD 83):	8/5.5	09. a	Length of p	ush core assembly (B):	NA
	Colle	ction Me	chani	sm:	Push-Core	Agas	_ GPS Accu	racy:	-2.1	5	_Water surfa	ace to top of handle (C):	NA
1	Date				2/6/0-	<del>T</del>	_ Predicted	Tide (ft):			_Length of c	ore (from bottom) (D):	401
							Time of Co	ollection:	-4	75	_Surveyed e	levation (NVGD 29) (E):	NA
							Time Depa	irt Station:	//S	9	_Water surfa	ce from surveyed elevation (I	F): NA
							Calculation	ns for Dete	rmination of	Z* Elevati	ion		
	(G)				rface (NVGI	•							
	(H)	Elevati	ion of	the botton	n of the core	(NVGD): G	- (B - C)						
	(z*)	Elevati	on of	visual trar	nsition (NVG	D): H + (dist	ance to visu	ıal transition	)				
	(1)	Elevati	on of	the sedim	ent-water in	terface as m	easured fro	m bottom of	core (NVGD	): H + D			
	(12)	Elevati	on of	the sedim	ent-water in	terface as m	easured froi	n water dep	th (NVGD):	G - A			
	(	Note if	l ≠ l <sub>2</sub> \	within ± 1.0	0 feet, discai	rd and resan	nple)						
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		(GD)	Î		Inde				icle				
		Elevation (NVGD)	11		Lithology - Include USCS code			Joy	Maximum particle size		sc		
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Battelle The Business of Innovation	Location Client		ledford, MA ISACE NAE		Vessel: R/V Gale Force Chief Scientist:  On: //35 All measurements are ±0.1 feet					
Station ID:	NWS-0	39 DUF	Time On S			5	All measu	rements are ±0.1 feet	·	
Core Sample ID: $\mathcal{S}$ -	OTD-NWS-	039-DUP	Northing (NAD 83): 2708819. 7							
Logged by:	JMF/MU	U	_ Easting (N	Easting (NAD 83): \$15507.		07.2	Length of p	oush core assembly (B):	N4	
Collection Mechanism:	Push-Core	Ayer	GPS Accur	S Accuracy:			Water surf	NA		
Date:	12/6/0	7	Predicted 1	ide (ft):			Length of c	core (from bottom) (D):	_1.01	
			Time of Co	llection:	115	O	Surveyed e	elevation (NVGD 29) (E):	NA.	
			Time Depa	rt Station:	615		Water surf	ace from surveyed elevation (F	): NA	
			Calculation	ns for Dete	ermination of	Z* Elevat	ion			
	er Surface (NVGD						<del></del>			
(H) Elevation of the b	ottom of the core	(NVGD): G	- (B - C)				***************************************			
(z*) Elevation of visua	al transition (NVGI	D): <i>H + (dista</i>	ance to visu	al transitior	1)		<del></del>			
(I) Elevation of the s	ediment-water int	erface as me	easured fror	n bottom o	f core (NVGD	). H + D	<u> </u>			
(12) Elevation of the s	ediment-water int	erface as me	easured fror	n water de <sub>l</sub>	oth (NVGD):	G - A	Way	24		
(Note if I ≠ I₂ within							P	<u> </u>		
(			F-0/				***************************************			
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Elevation (NVGD)	Lithology - Include USCS code			) <sub>2</sub>	Maximum particle size		ıω			
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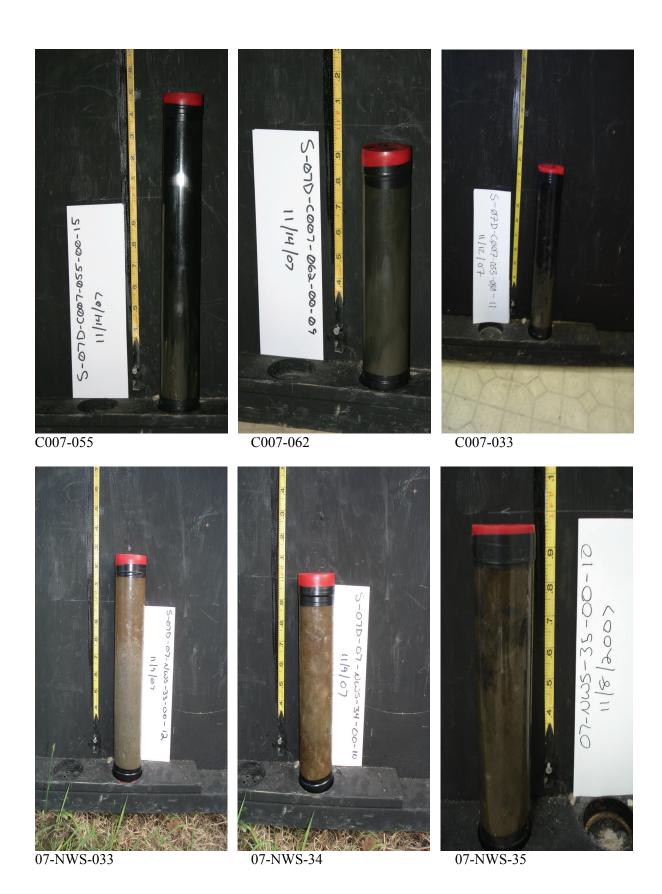






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07-NWS-36 07-NWS-37 07-NWS-38





07-NWS-39 duplicate